



## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Shigeo Yoshida et al.

Art Unit : 2862

Serial No. : 10/003,446

Examiner : Unknown

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Title : GENOMIC DNA ANALYSIS PROGRAM

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RESPONSE TO NOTICE TO COMPLY WITH REQUIREMENTS  
FOR PATENT APPLICATIONS CONTAINING  
NUCLEOTIDE AND/OR AMINO ACID SEQUENCES

In response to the communication dated January 7, 2002 (copy enclosed), applicants submit herewith a Sequence Listing in computer readable form as required by 37 CFR §1.824. In addition, applicants submit a substitute Sequence Listing as required under 37 CFR §1.823(a) and a statement under 37 CFR §1.821(f).

Applicants respectfully request entry of the paper copy and computer readable copy of the Sequence Listing filed herewith for the instant application. Furthermore, applicants request entry of the following amendments.

In the specification:

Replace the original Sequence Listing with the substitute Sequence Listing filed herewith.

## CERTIFICATE OF MAILING BY FIRST CLASS MAIL

I hereby certify under 37 CFR §1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated below and is addressed to the BOX SEQUENCE, U.S. Patent and Trademark Office, P.O. Box 2327, Arlington, VA 22202

Date of Deposit

February 27, 2001

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Rose P. Pech

Rose P. Pech

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Replace the paragraph beginning at page 7, line 21, with the following rewritten paragraph:

B1 --Figure 5 shows a control two-dimensional electrophoresis pattern produced based on the nucleotide sequence information of *Arabidopsis thaliana* chloroplast DNA (SEQ ID NO:9) --

Replace the paragraph beginning at page 8, line 4, with the following rewritten paragraph:

B2 --Figure 9 is a diagrammatic sketch showing an example of the abnormal information obtained by detection of the abnormal information in nucleotide sequence information regarding *Arabidopsis thaliana* nuclear genome (SEQ ID NO:16). --